

0	For receiving Office use only			
0-1	International Application No.			
0-2	International Filing Date	MDC / MRR		
0-3	Name of receiving Office and "PCT International Application"	NOV 0 4 2003		
0-4	Form - PCT/RO/101 PCT Request			
0-4-1	Prepared using	PCT-EASY Version 2.92		
041	i repaired daving	(updated 01.07.2003)		
0-5	Petition			
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty			
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)		
0-7	Applicant's or agent's file reference	P01090W01A		
1	Title of invention	THE USE OF SULFUR CONTAINING INITIATORS FOR ANIONIC POLYMERIZATION OF MONOMERS		
II	Applicant			
II-1	This person is:	applicant only		
II-2	Applicant for	all designated States except US		
11-4	Name	BRIDGESTONE CORPORATION		
11-5	Address:	10-1, Kyobashi 1-Chome		
		Chuo-Ku		
		Tokyo, Tokyo 104		
		Japan		
11-6	State of nationality	JP		
11-7	State of residence	JP		
11-8	Telephone No.	+ 81 (422) 56-3411		
II-9	Facsimile No.	+ 81 (422) 56-3412		
III-1	Applicant and/or inventor			
III-1-1	This person is:	applicant and inventor		
III-1-2	Applicant for	US only		
III-1-4	Name (LAST, First)	HOGAN, Terrence		
III-1 - 5	Address:	557 Westminster Circle		
		Akron, OH 44319		
		United States of America		
III-1 <i>-</i> 6	State of nationality	US		

Original (for SUBMISSION) - printed on 30.10.2003

0	For receiving Office use only			
0-1	International Application No.			
)-2	International Filing Date	MDC/MRR		
0-3	Name of receiving Office and "PCT International Application"	NOV 0 4 2003		
	LE POTTO (64) POT			
0-4	Form - PCT/RO/101 PCT Request			
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)		
0-5	Petition	The state of the s		
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty			
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)		
0-7	Applicant's or agent's file reference	P01090W01A		
<u></u>	Title of invention	THE USE OF SULFUR CONTAINING INITIATORS FOR ANIONIC POLYMERIZATION OF MONOMERS		
<u>I</u>	Applicant			
II-1	This person is:	applicant only		
II-2	Applicant for	all designated States except US		
1-4	Name	BRIDGESTONE CORPORATION		
11-5	Address:	10-1, Kyobashi 1-Chome		
		Chuo-Ku		
		Tokyo, Tokyo 104		
	· .	Japan -		
1-6	State of nationality	JP		
1-7	State of residence	JP		
1-8	Telephone No.	+ 81 (422) 56-3411		
I-9	Facsimile No.	+ 81 (422) 56-3412		
II-1	Applicant and/or inventor			
I-1-1	This person is:	applicant and inventor		
I I-1-2	Applicant for	US only		
II-1-4	Name (LAST, First)	HOGAN, Terrence		
II-1 - 5	Address:	557 Westminster Circle		
		Akron, OH 44319		
		United States of America		
		Onit ced States Of America		
II-1-6 II-1-7	State of nationality State of residence	US US		

1-4-1	Title of the invention	THE USE OF SULFUR CONTAINING INITIATORS FOR ANIONIC POLYMERIZATION OF MONOMERS
1-4-2	Applicant's or agent's file reference	P1090W01A
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)
1-5	and to make or receive payments on behalf of the undersigned.	

Certificate of Express Mailing

Pursuant to 37 CFR 1.10 I certify that this PCT application is being deposited on the date indicated below with the United States Postal Service "Express Mail Post Office to Addressee" service addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Mailing Label No.	
EL706979412US	
Date of Deposit	
October 30, 2003	

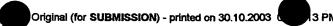
Signature of Person Mailing Application

Multith Afalmer

Meredith E. Palmer

Original (for SUBMISSION) - printed on 30.10.2003	3 PM

111-2	Applicant and/or inventor			
III-2-1	This person is:	applicant and inventor		
111-2-2	Applicant for	US only		
III-2 -4	Name (LAST, First)	HERGENROTHER, William		
111-2-5	Address:	195 Dorchester Road		
		Akron, OH 44313		
		United States of America		
III-2 - 6	State of nationality	US		
III-2-7	State of residence	US		
III-3	Applicant and/or inventor			
III-3-1	This person is:	applicant and inventor		
111-3-2	Applicant for	US only		
III-3-4	Name (LAST, First)	YAN, Yuan-Yong		
III-3-5	Address:	613 Redfield Lane		
		Copley, OH 44321		
		United States of America		
III-3-6	State of nationality	CN		
111-3-7	State of residence	US		
[]]-4	Applicant and/or inventor			
III -4- 1	This person is:	applicant and inventor		
III- 4 -2	Applicant for	US only		
III -4-4	Name (LAST, First)	LAWSON, David		
III-4-5	Address: /	11621 Garden Lane, N.W.		
		Uniontown, OH 44685		
		United States of America		
III-4-6	State of nationality	US		
111-4-7	State of residence	US		
IV-1	Agent or common representative; or			
	address for correspondence The person identified below is hereby/has	 agent		
	been appointed to act on behalf of the	age		
	applicant(s) before the competent International Authorities as:			
IV-1-1	Name	VASUTA		
IV-1-2	Address:	Bridgestone Americas Holding, Inc.		
		1200 Firestone Parkway		
		Akron, OH 44317		
		United States of America		
IV-1-3	Telephone No.	330-379-6850		
IV-1-4	Facsimile No.	330-379-4064		
IV-1-5	e-mail	iplaw@bfusa.com		
IV-2	Additional agent(s)	additional agent(s) with same address as		
		first named agent		
IV-2-1	Name(s)	PALMER, Meredith (47,839); HUBER,		
		Michael (44,783); KROGH, Timothy (40,688)		



IV-3	Additional agent(s)	agent		
IV-3-1	Name (LAST, First)	BOBAK, Donald		
IV-3-2	Address:	First National Tower		
		Fourth Floor		
		Akron, OH 44308		
		United States of America		
IV-3-3	Telephone No.	330-376-1242		
IV-3-4	Facsimile No.	330-376-9646		
IV-3-5	e-mail	djbobak@rennerkenner.com		
IV-3-6	Agent's registration No.	27,182		
v	Designation of States			
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT		
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	JP US		
V-5	Precautionary Designation Statement			
	In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.			
V-6	Exclusion(s) from precautionary designations	NONE		
VI-1	Priority claim of earlier national application			
VI-1-1	Filing date	30 October 2002 (30.10.2002)		
VI-1-2	Number	60/422,461		
VI-1-3	Country	US		
VI-2	Priority claim of earlier national application	·		
VI-2-1	Filing date	18 March 2003 (18.03.2003)		
VI-2-2	Number	60/455,508		
VI-2-3	Country	us		
VI-3	Priority document request			
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-2		

VII-1	International Searching Authority Chosen	European Patent Offi	ce (EPO) (ISA/EP)		
VIII	Declarations	Number of declarations			
VIII-1	Declaration as to the identity of the inventor				
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-			
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	_			
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	_			
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-			
IX	Check list	number of sheets	electronic file(s) attached		
IX-1	Request (including declaration sheets)	5	-		
IX-2	Description	39	_		
IX-3	Claims	6	-		
IX -4	Abstract	1	EZABST00.TXT		
IX-5	Drawings	0	-		
IX-7	TOTAL	51			
	Accompanying items	paper document(s) attached	electronic file(s) attached		
IX-8	Fee calculation sheet	✓	_		
IX-17	PCT-EASY diskette	_	Diskette		
IX-19	Figure of the drawings which should accompany the abstract				
IX-20	Language of filing of the international application	English			
X-1	Signature of applicant, agent or common representative	Mudoth Rlm	er :		
X-1-1	Name (LAST, First)	PALMER, Meredith			

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP

Original (for SUBMISSION) - printed on 30.10.2003 OF 3 PM

10-6	Transmittal of search copy delayed	·		
	until search fee is paid		 ···	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by		
	the International Bureau	 	

ABSTRACT OF THE DISCLOSURE

An initiator is presented for anti-cally polymerizing monomers, to provide a functional head group on the polymer. A polymer having a functional head group derived from asulfur devaluing anionic initiator, and optional as additional functional green resulting from the use of a functional sinating reagent, coupling agent or linking agent is also provided. A needed is presented for anionically polymerizing monomers comprising the step of polymerizing the monomers with a sulfur containing anionic initiator to provide a functional head group on the polymer. An elastomeric compound, comprising a functional polymer and filler is also described. Also provided a tire having decreased rolling resistance resulting from a tire component containing a vulcanizable elastomeric compound.

PCT POWER OF ATTORNEY

Printed on 28.10.2003 11:35:02 AM

0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)
1	The undersigned applicant(s)	BRIDGESTONE CORPORATION; HOGAN, Terrence; HERGENROTHER, William; YAN, Yuan-Yong; LAWSON, David
1-1-1	hereby appoints (appoint) the following person	PALMER, Meredith; VASUTA, John; TIDWELL, Greer; KROGH, Timothy Bridgestone/Firestone 1200 Firestone Parkway Akron, OH 44317 United States of America
1-1-2	hereby appoints (appoint) the following person	BOBAK, Donald Renner, Kenner, Greive, Bobak, Taylor & Weber First National Tower - 4th Floor Akron, OH 44308 United States of America
1-1-3	hereby appoints (appoint) the following person	REGINELLI, Arthur Renner, Kenner, Greive, Bobak, Taylor & Weber First National Tower - 4th Floor Akron, OH 44308 United States of America
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of the invention	THE USE OF SULFUR CONTAINING INITIATORS FOR ANIONIC POLYMERIZATION OF MONOMERS
1-4-2	Applicant's or agent's file reference	P01090W01A
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)
1-5	and to make or receive payments on behalf of the undersigned.	

Printed on 28.10.2003 11:35:02 AM

2-1	Signature of applicant	QD 1 D
		John medasuka
2-1-1	Name	BRIDGESTONE CORPORATION
2-1-2	Name of signatory	John Vasuta, Esq.
2-1-3	Capacity	Chief I.P. Counsel/Secretary (Asst.)
2-2	Signature of applicant	Terrence Hogan
2-2-1	Name	HOGAN, Terrence
2-3	Signature of applicant	
		William I. Heyenrother
2-3-1	Name	HERGENROTHER, William
2-4	Signature of applicant	Ju J
2-4-1	Name	YAN, Yuan-Yong
2-5	Signature of applicant	David J. Jawson
2-5-1	Name .	LAWSON, David
3	Date	